

Appl. No. 10/643,435
Docket No. H1799-00222
Response to Official Action of April 5, 2005

Amendments to the Specification:

On page 3, please replace the paragraph starting at line 23 and ending on page 4 on line 8 with the following amended paragraph:

The present invention is directed to an improvement in vessels 4 composed of magnesium and substantially free of aluminum and zinc, these vessels 4 having a hollow interior cavity 6 containing a working fluid 8. The stable protective layer 10 will be either an oxide or nitride layer depending on the working fluid 8. For instance, if ammonia is chosen as the working fluid 8, a stable nitride would be formed; in contrast, if water is used as the working fluid 8, a stable oxide would be formed. The preferred vessel 4 for purposes of the present invention is a heat pipe 14, although it is anticipated that other suitable vessels would benefit from the purposes of the present invention as well.

Suitable vessels include heat pipe 14 and/or a pumped-loop system 17 (Figs. 1 and 2).